

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092418\
 Data File : BF109267.D
 Acq On : 24 Sep 2018 15:08
 Operator : JU/SJ
 Sample : J4770-03 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 17:06:48 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

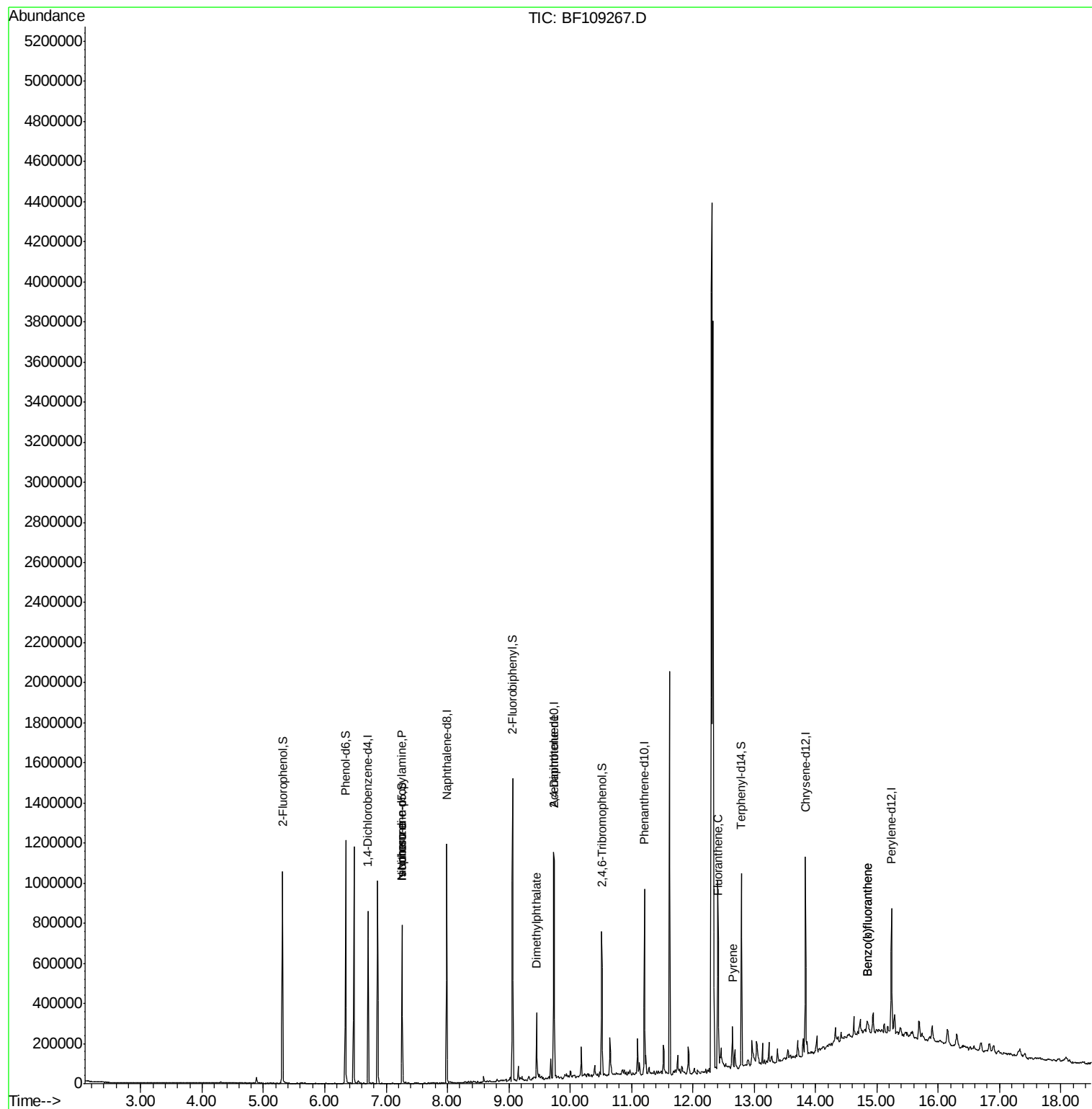
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	123046	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	480503	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	218603	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	352683	20.00	ng	0.00
75) Chrysene-d12	13.84	240	307423	20.00	ng	0.00
86) Perylene-d12	15.24	264	277400	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	279842	37.46	ng	0.00
7) Phenol-d6	6.34	99	361478	37.92	ng	-0.02
23) Nitrobenzene-d5	7.26	82	217231	26.69	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	78980	36.65	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	410084	28.29	ng	-0.01
78) Terphenyl-d14	12.79	244	293594	23.44	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.26	70	28370	4.542	ng	# 77
25) Isophorone	7.26	82	204549	13.955	ng	# 64
49) Dimethylphthalate	9.46	163	116886	7.351	ng	# 99
56) 2,4-Dinitrotoluene	9.73	165	28697	7.202	ng	# 24
74) Fluoranthene	12.42	202	48754	2.591	ng	# 97
77) Pyrene	12.64	202	47002	2.133	ng	# 98
87) Benzo(b)fluoranthene	14.84	252	38104	2.500	ng	# 82
88) Benzo(k)fluoranthene	14.84	252	38104	2.634	ng	# 85

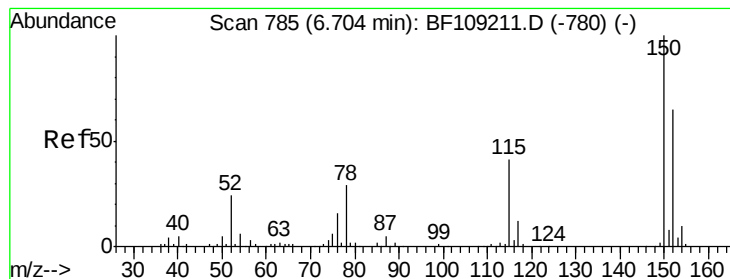
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Sep 22 13:32:18 2018
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.70 min Scan# 785

Delta R.T. -0.01 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

Instrument :

BNA_F

ClientSampleId :

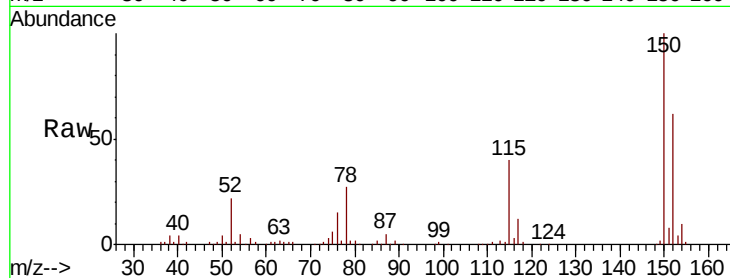
Tot Ion:152 Resp: 123046

Ion Ratio Lower Upper

152 100

150 162.0 124.6 186.8

115 64.6 50.1 75.1

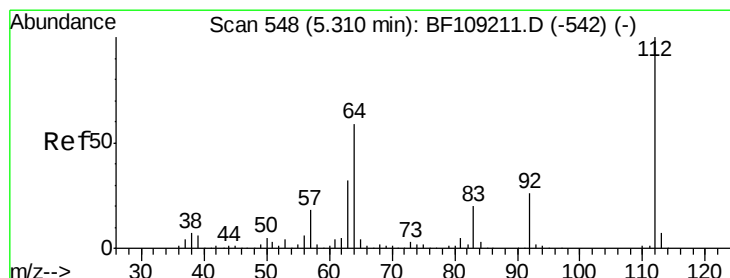
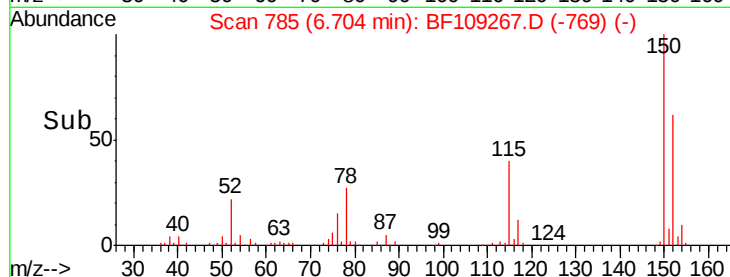
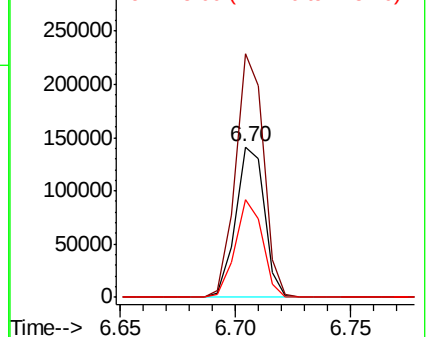


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 37.459 ng

RT: 5.31 min Scan# 548

Delta R.T. -0.01 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

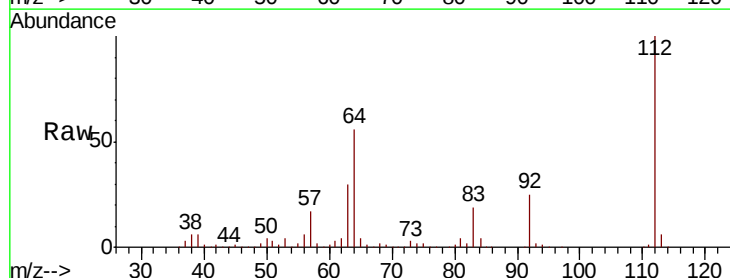
Tgt Ion:112 Resp: 279842

Ion Ratio Lower Upper

112 100

64 55.7 47.9 71.9

63 30.0 23.7 35.5

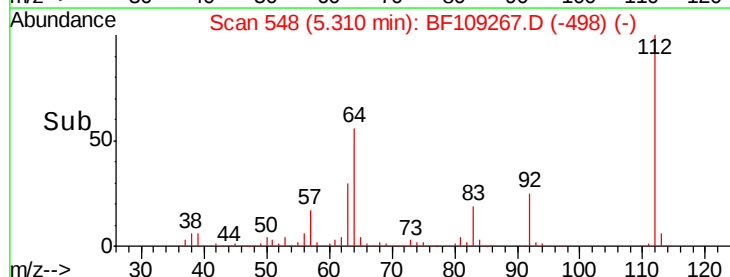
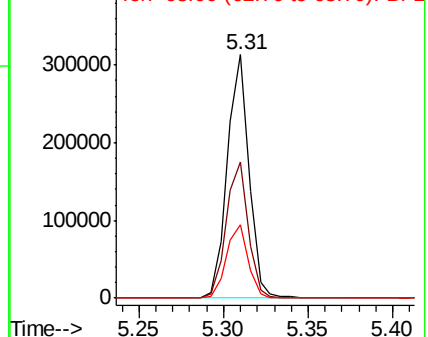


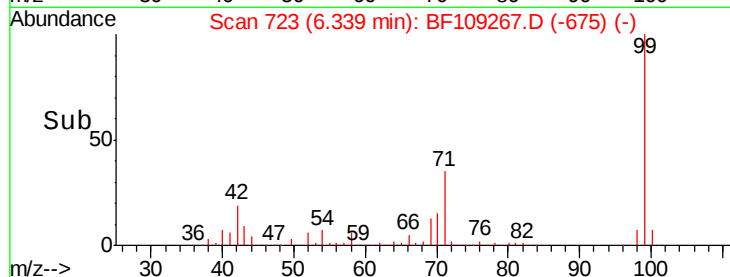
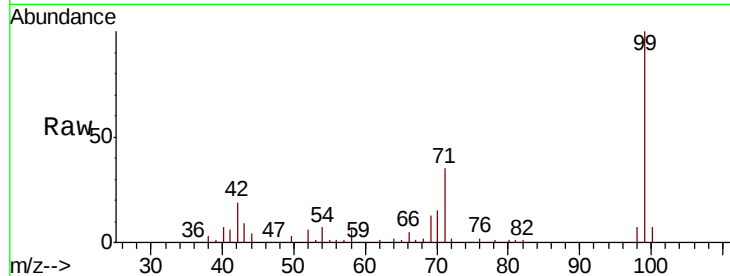
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 37.920 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

Instrument :

BNA_F

ClientSampled :

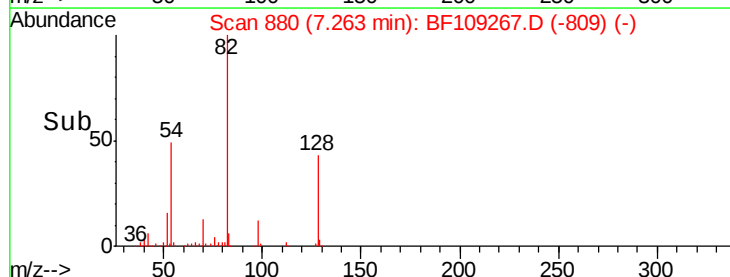
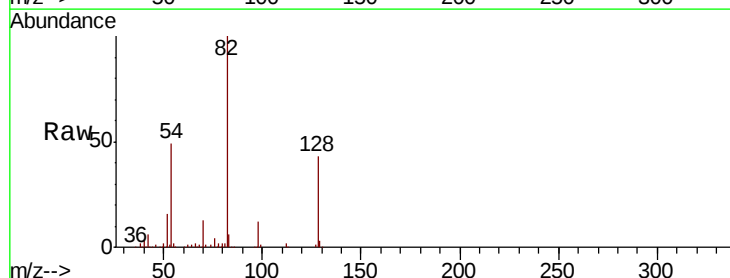
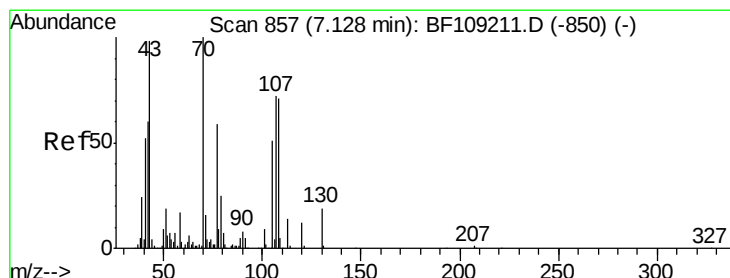
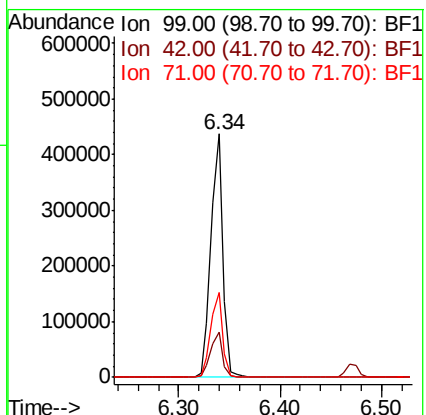
Tot Ion: 99 Resp: 361478

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

71 34.7 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 4.542 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.12 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

Tgt Ion: 70 Resp: 28370

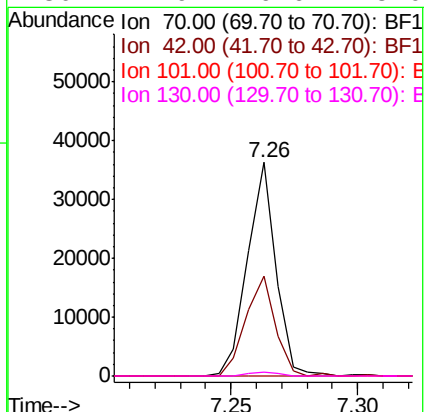
Ion Ratio Lower Upper

70 100

42 46.7 47.5 71.3#

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 480503

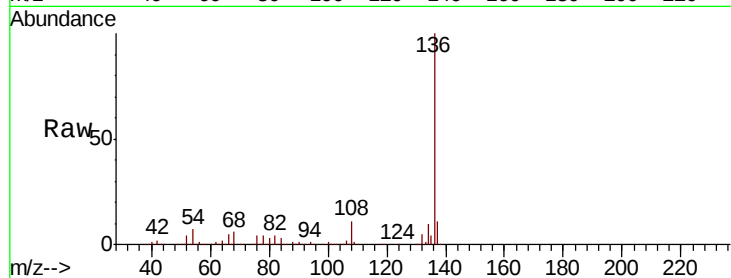
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 7.4 6.6 9.8

68 5.9 5.0 7.4

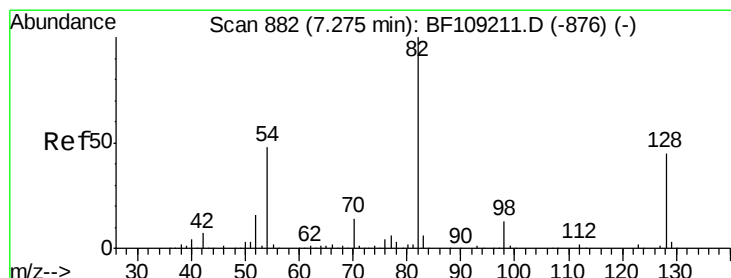
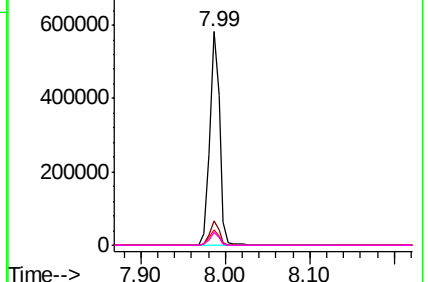
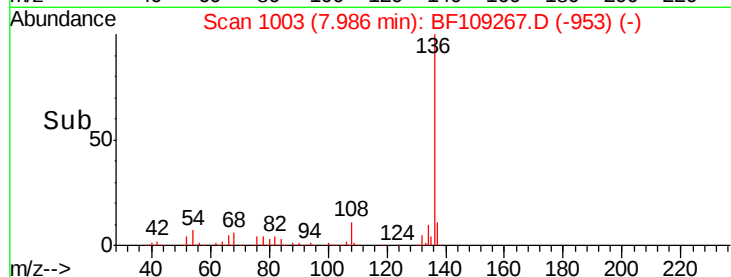


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 26.688 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

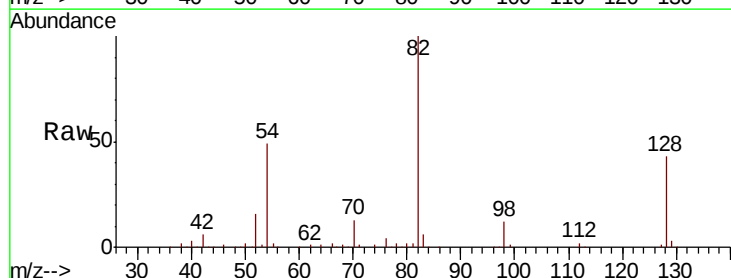
Tgt Ion: 82 Resp: 217231

Ion Ratio Lower Upper

82 100

128 42.9 36.1 54.1

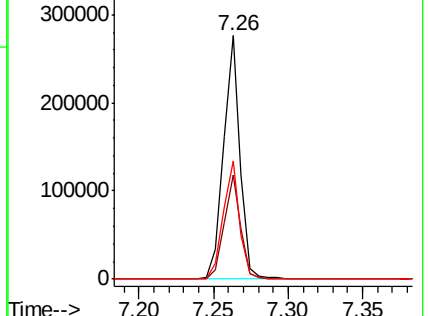
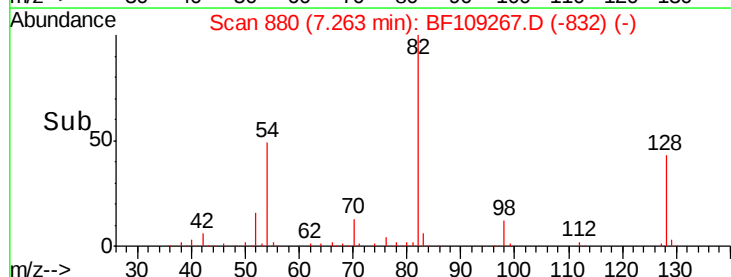
54 48.5 41.4 62.2

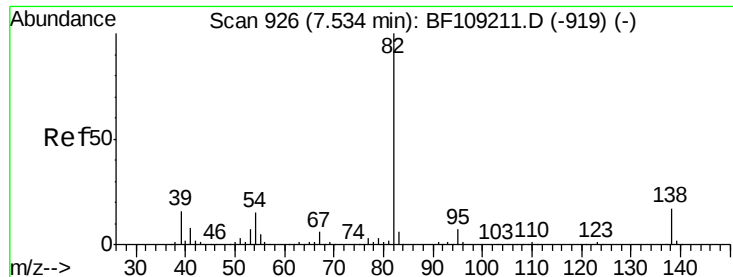


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 13.955 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

Instrument :

BNA_F

ClientSampleId :

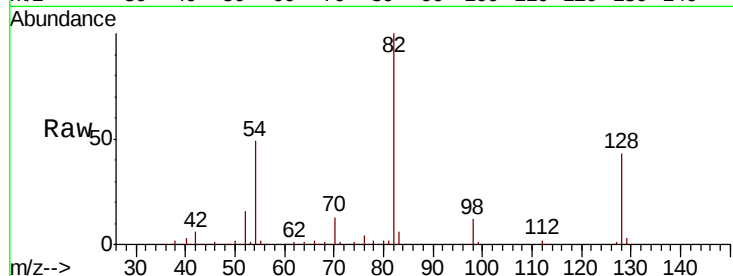
Tot Ion: 82 Resp: 204549

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

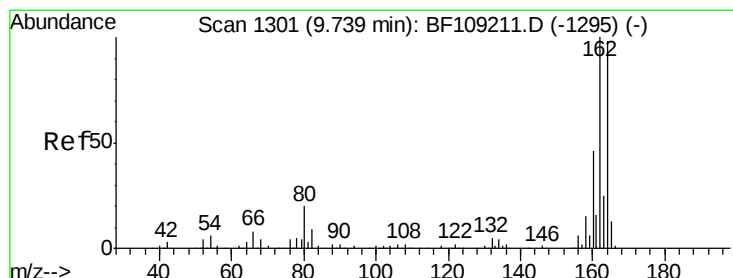
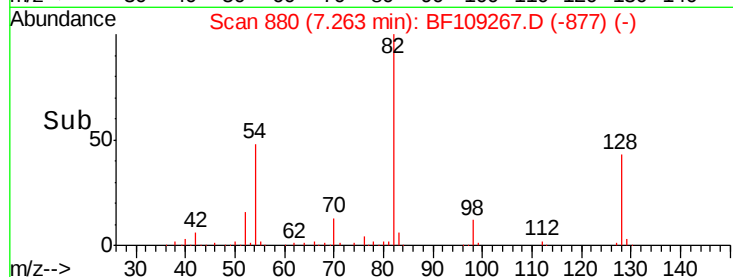
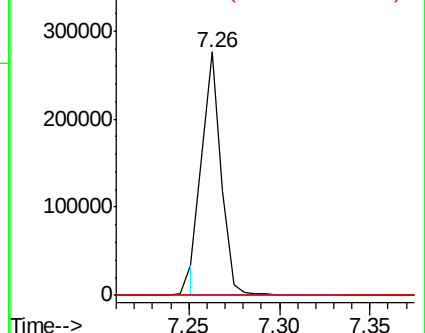
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

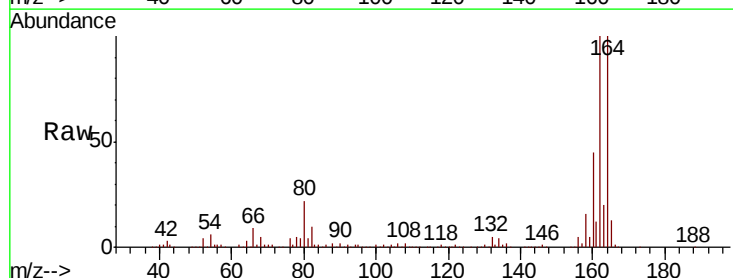
Tgt Ion: 164 Resp: 218603

Ion Ratio Lower Upper

164 100

162 100.3 86.1 129.1

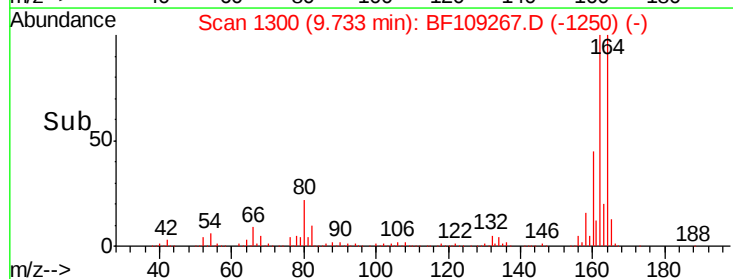
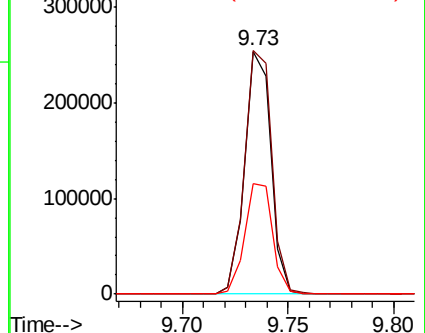
160 45.6 38.3 57.5

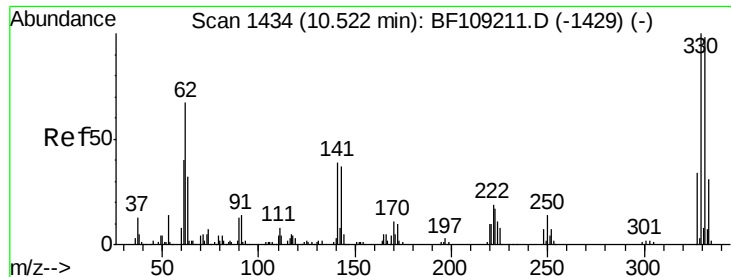


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

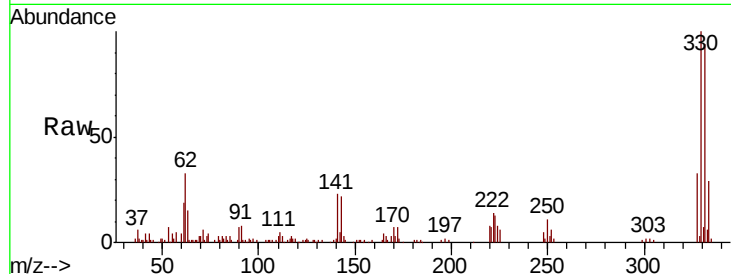




#41
 2,4,6-Tribromophenol
 Concen: 36.650 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109267.D
 Acq: 24 Sep 2018 15:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	77.0	115.6
141	33.4	29.9	44.9

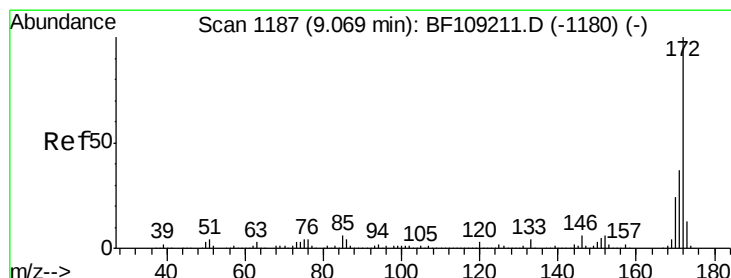
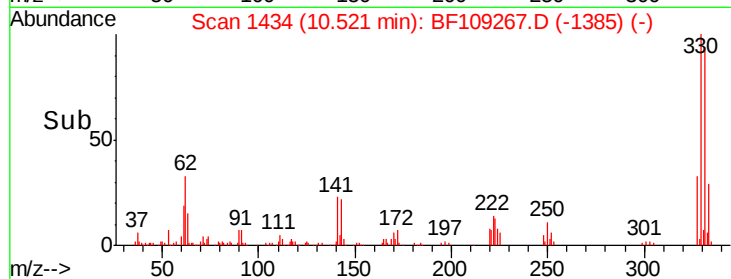
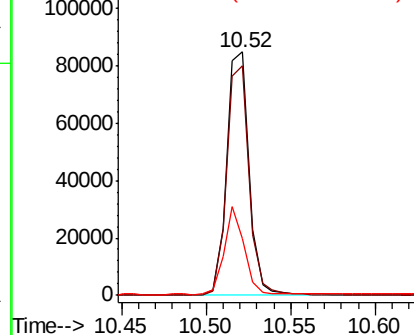


Abundance

Ion 329.80 (329.50 to 330.50): E

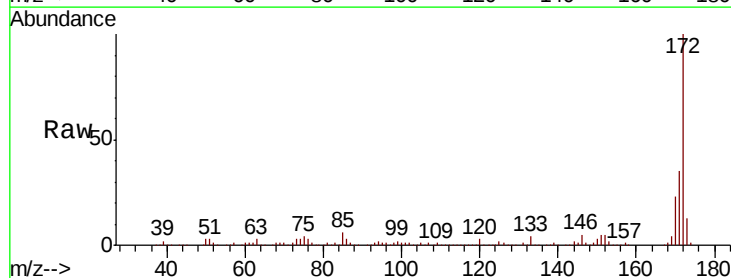
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 28.293 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109267.D
 Acq: 24 Sep 2018 15:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.1	19.6	29.4

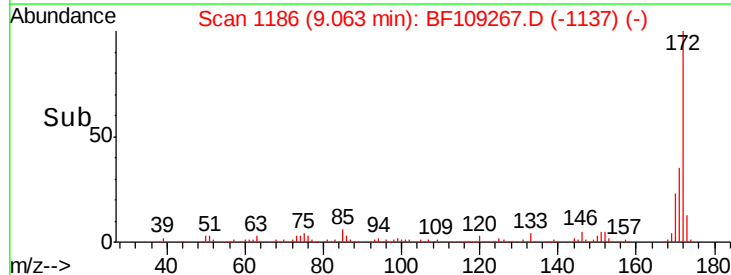
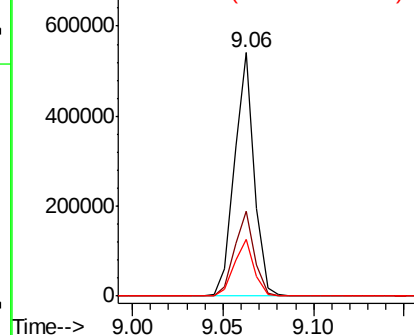


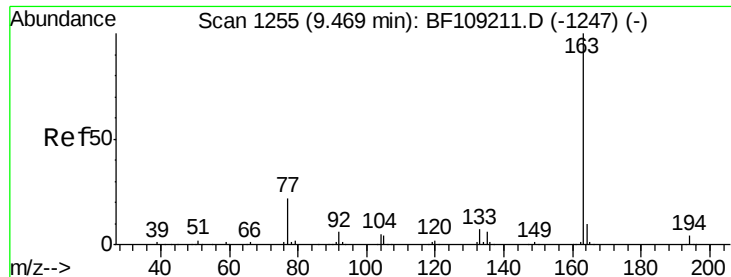
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

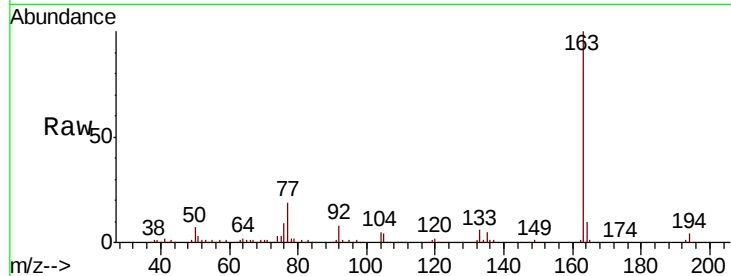




#49
Dimethylphthalate
Concen: 7.351 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF109267.D
Acq: 24 Sep 2018 15:08

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.0	2.7	4.1
164	10.0	8.2	12.2

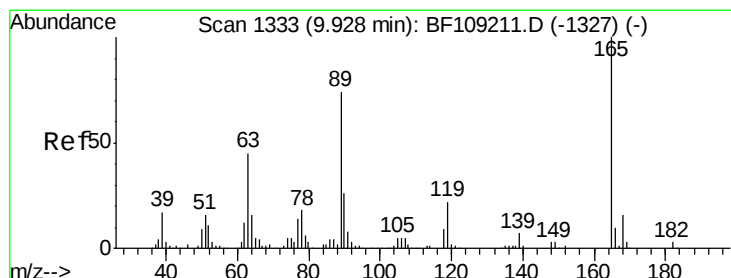
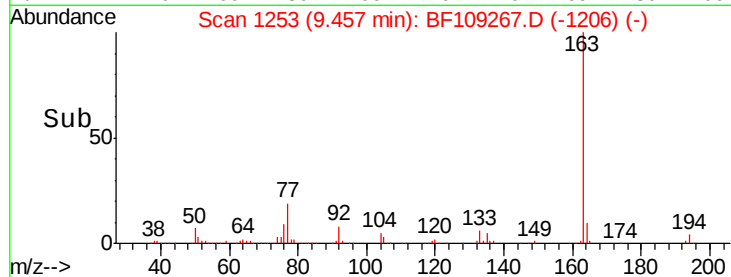
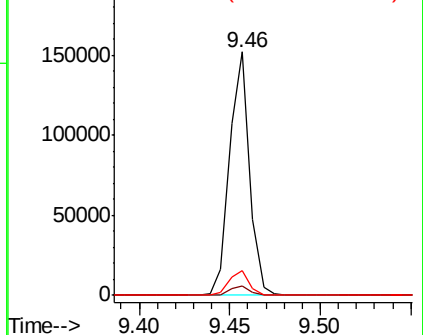


Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56
2,4-Dinitrotoluene
Concen: 7.202 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.21 min
Lab File: BF109267.D
Acq: 24 Sep 2018 15:08

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	2.1	57.8	86.6#
182	0.0	1.6	2.4#

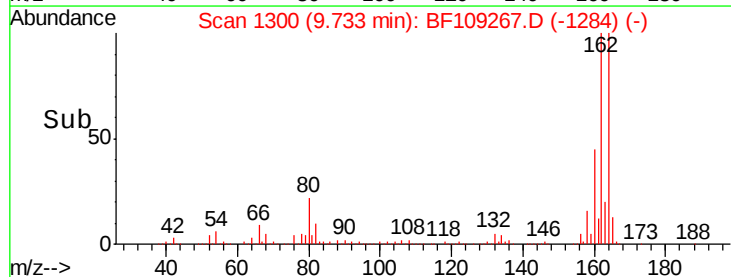
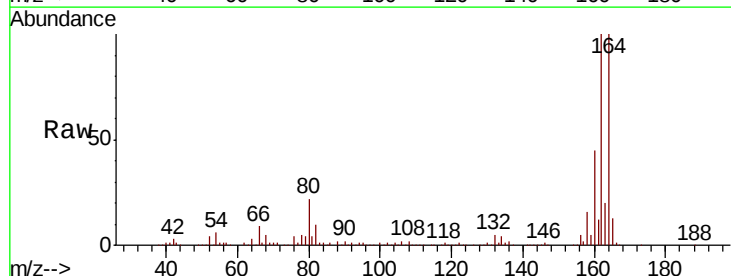
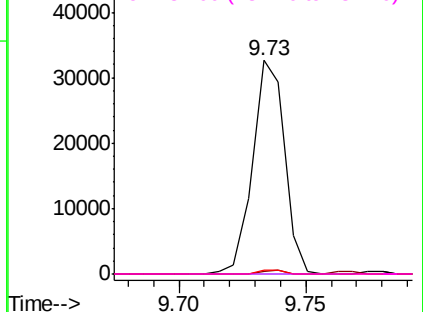
Abundance

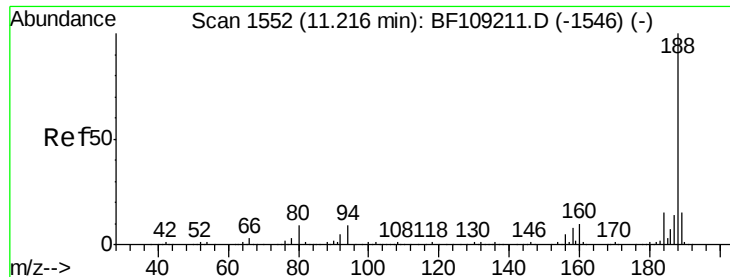
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

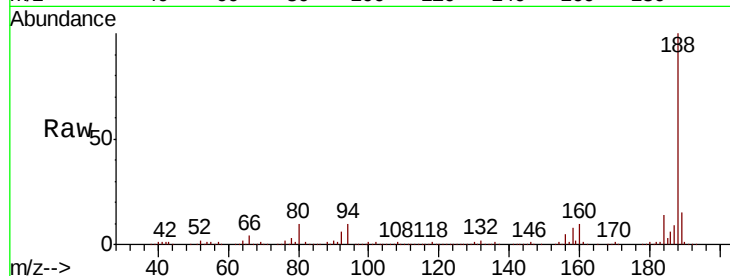




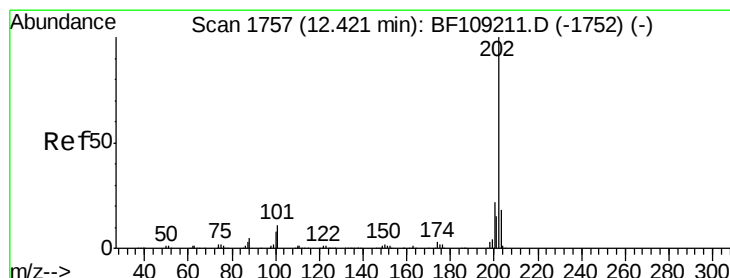
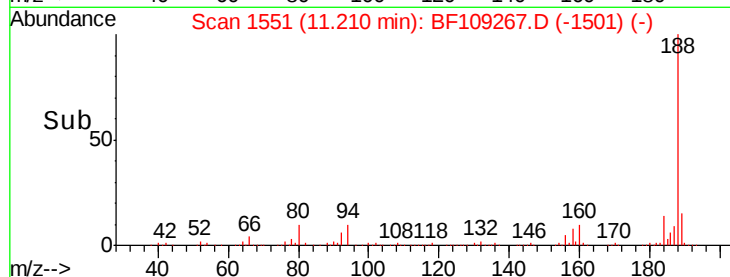
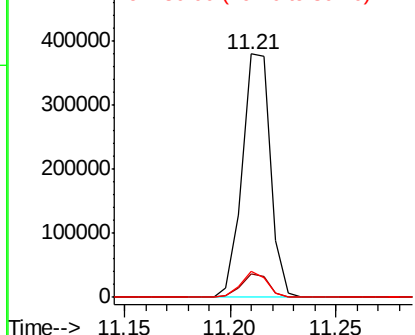
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109267.D
 Acq: 24 Sep 2018 15:08

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.5	9.2	13.8

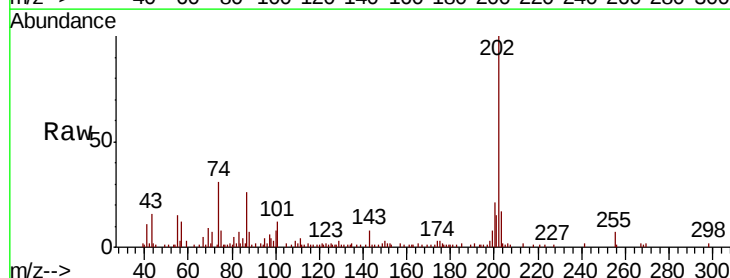


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

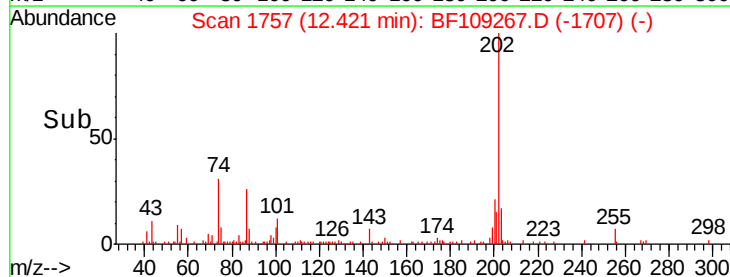
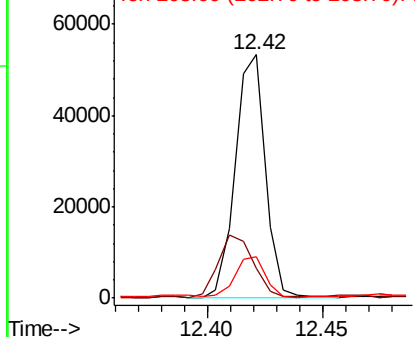


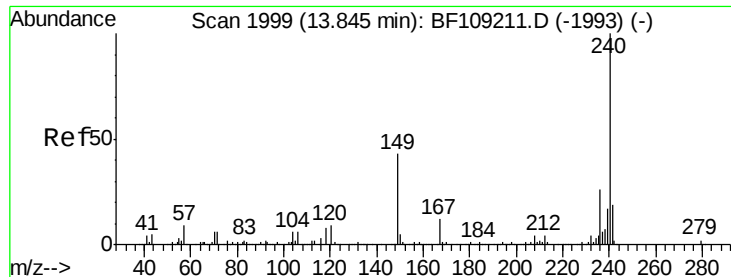
#74
 Fluoranthene
 Concen: 2.591 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: BF109267.D
 Acq: 24 Sep 2018 15:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	34.1
203	17.2	0.0	38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

Instrument :

BNA_F

ClientSampled :

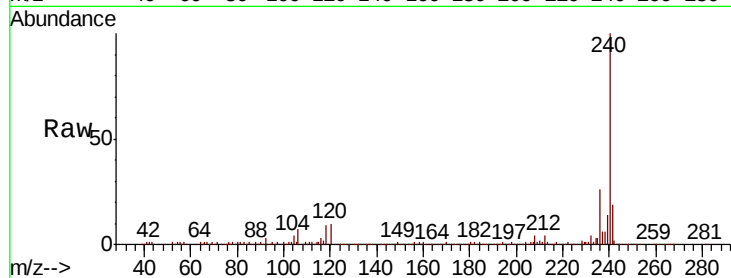
Tot Ion:240 Resp: 307423

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

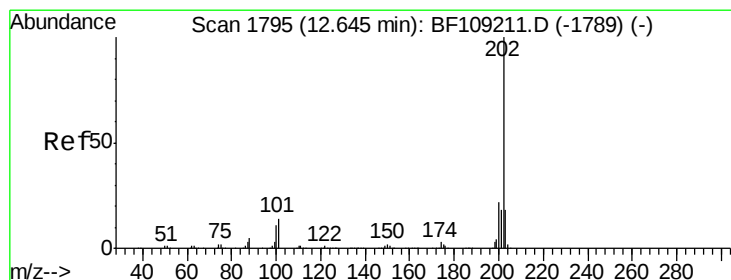
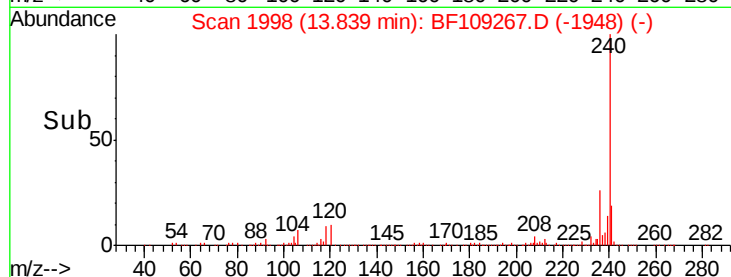
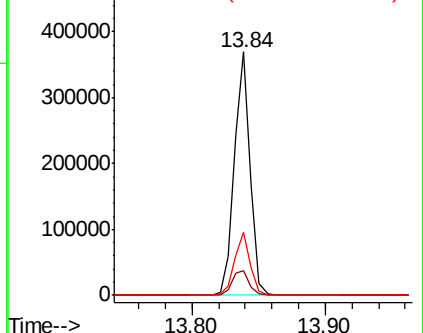
236 25.8 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.133 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

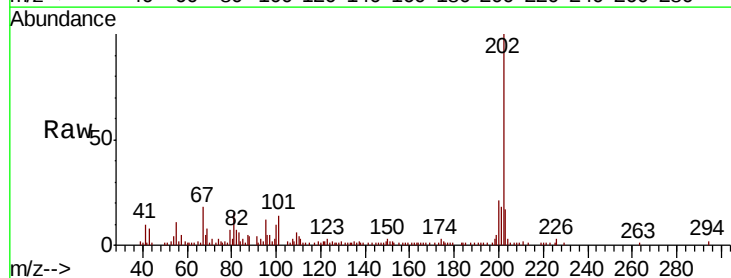
Tgt Ion:202 Resp: 47002

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

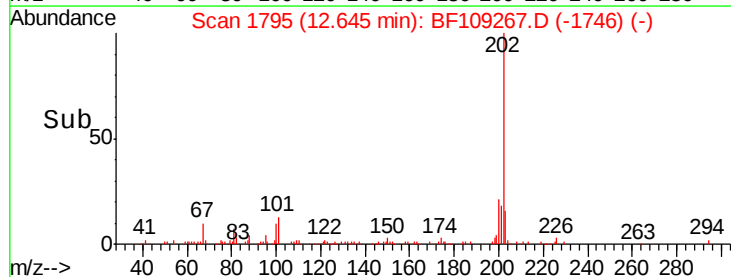
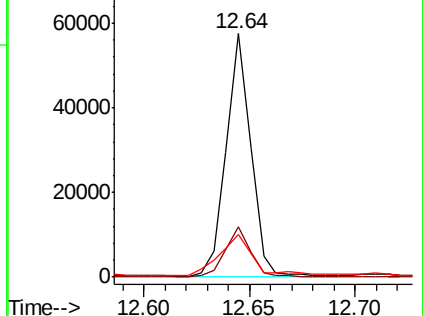
203 17.4 14.3 21.5

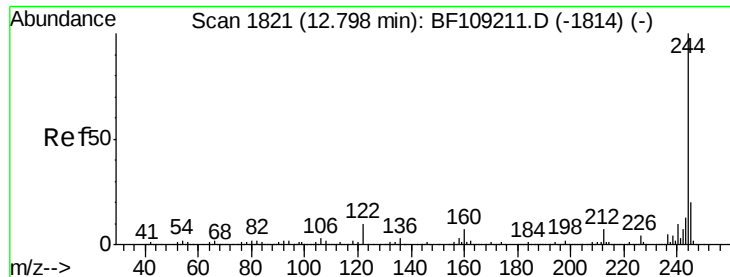


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

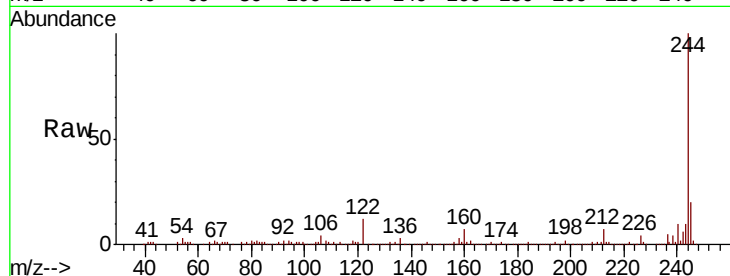




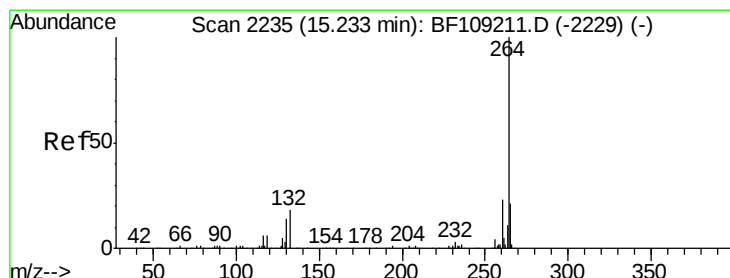
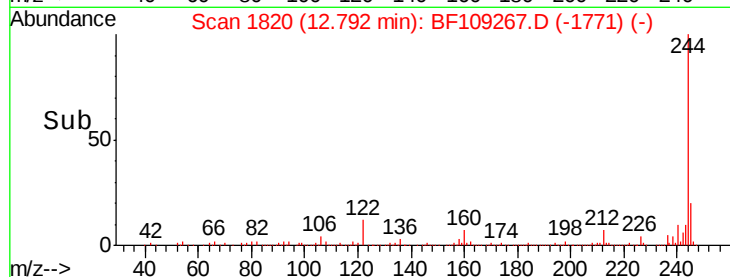
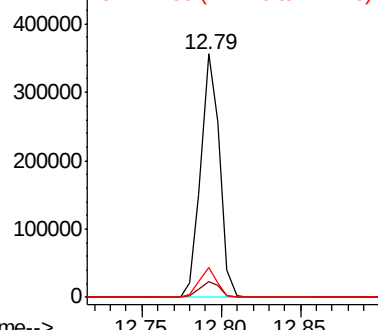
#78
 Terphenyl-d14
 Concen: 23.438 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109267.D
 Acq: 24 Sep 2018 15:08

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 293594
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 12.2 11.0 16.4

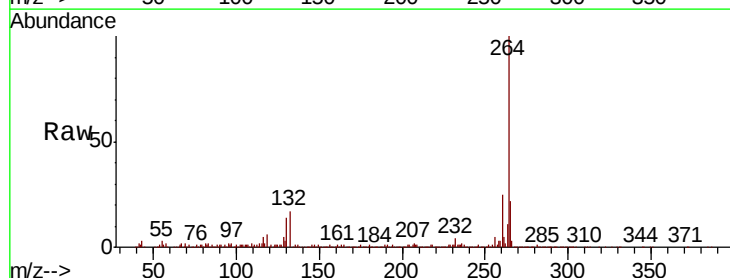


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

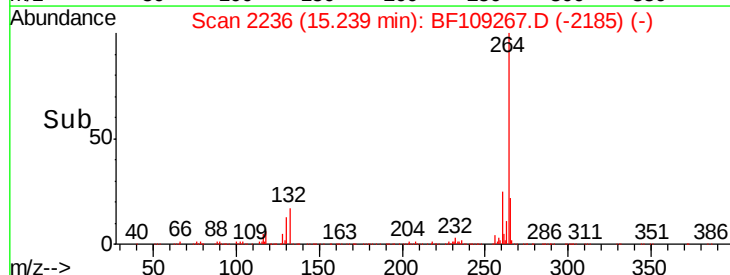
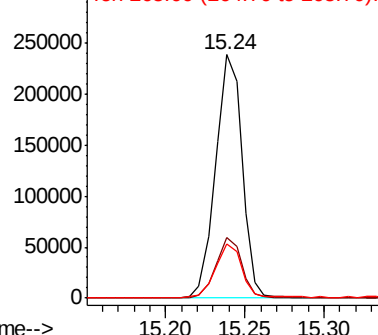


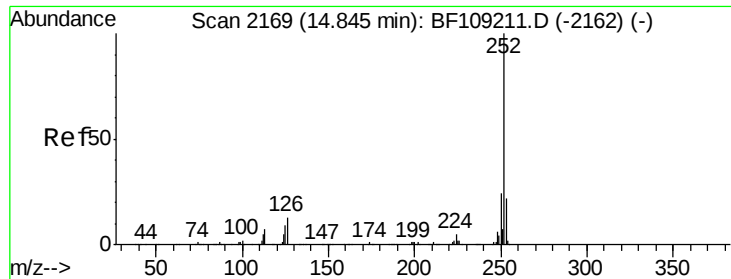
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: BF109267.D
 Acq: 24 Sep 2018 15:08

Tgt Ion:264 Resp: 277400
 Ion Ratio Lower Upper
 264 100
 260 24.8 19.2 28.8
 265 22.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.500 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

Instrument :

BNA_F

ClientSampleId :

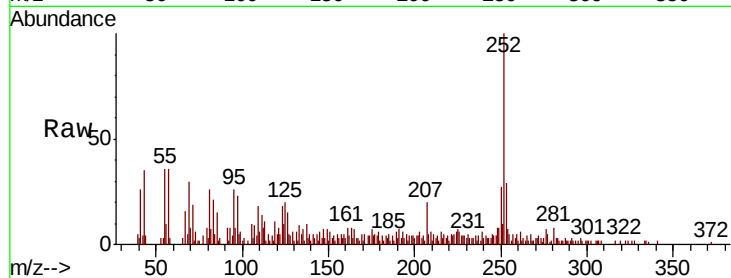
Tot Ion:252 Resp: 38104

Ion Ratio Lower Upper

252 100

253 28.6 17.0 25.6#

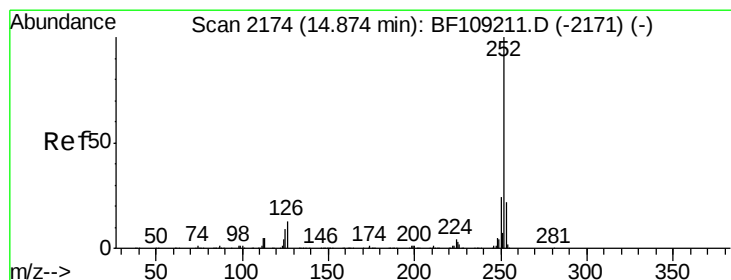
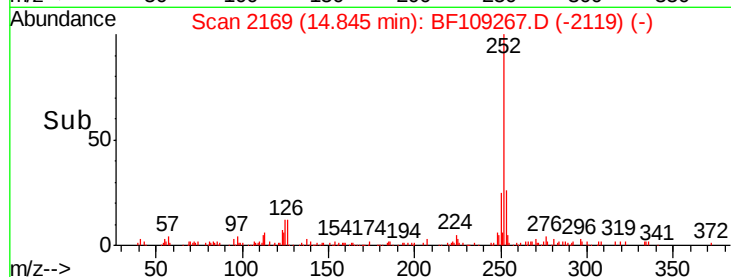
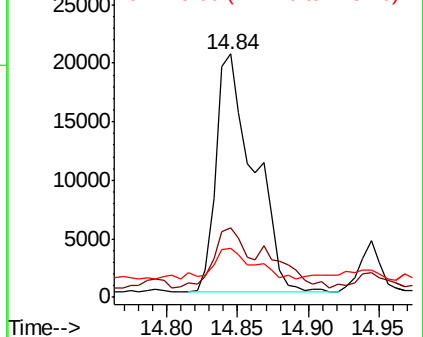
125 20.4 9.0 13.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 2.634 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109267.D

Acq: 24 Sep 2018 15:08

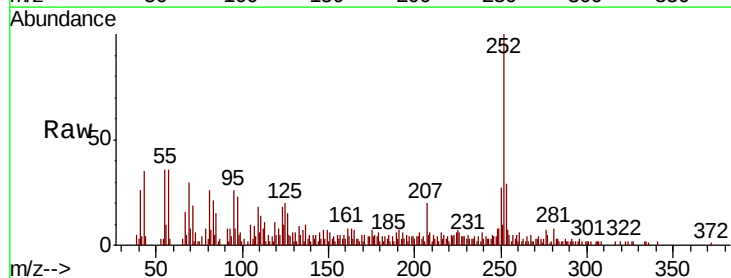
Tgt Ion:252 Resp: 38104

Ion Ratio Lower Upper

252 100

253 28.6 17.9 26.9#

125 20.4 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

